

WHAT IS CLAIMED IS:

1. A developer supply container for supplying a developer to a process cartridge detachably mounted to a main assembly of an electrophotographic image forming apparatus, said process cartridge containing an electrophotographic photosensitive drum and a charging member for charging said photosensitive drum, said developer supply container comprising:

a developer accommodating portion for accommodating a developer;

a developer supply opening for supplying the developer accommodated in the developer accommodating portion to said process cartridge;

a container closing member movable between a closing position in which it closes said developer supply opening and an open position in which it is retracted from the closing position to open said developer supply opening;

a first container guide provided at one end with respect to a longitudinal direction of said along the longitudinal direction of said developer supply container, said first container guide being capable of being guided by a main assembly guide provided in the main assembly of the apparatus when said developer supply container is mounted to the main assembly of the apparatus;

a second container guide provided at the

other end with respect to a direction crossing with the longitudinal direction along the longitudinal direction of said developer supply container, second container guide being capable of being guided by a
5 main assembly guide provided in the main assembly of the apparatus when said developer supply container is mounted to the main assembly of the apparatus;

container force receiving portion for receiving, when said developer supply container is
10 mounted to the main assembly of the apparatus, a force for opening said supply opening by movement of said closing member from the closing position to the opening position by engagement with a cartridge engaging portion provided in said process cartridge
15 mounted to the main assembly of the apparatus; and

a first container positioning portion, provided at a leading end, when said developer supply container is mounted to the main assembly of the apparatus, said first container positioning portion
20 being engageable with a first main assembly positioning portion provided in the main assembly of the apparatus,

wherein said developer supply container, when it is mounted to the main assembly of apparatus, said
25 first container positioning portion is positioned by the first main assembly positioning portion, and said developer supply container is positioned relative to

the main assembly of the apparatus by said first container guide and said second container guide being supported by the main assembly guide at a trailing edge side with respect to the mounting direction.

5

2. A container according to Claim 1, further comprising an elastic force receiving portion for receiving, when said developer supply container is mounted to the main assembly of the apparatus, an elastic force provided by an elastic member which is provided in the main assembly of apparatus, said elastic force receiving portion being provided on a top surface when said developer supply container is mounted to the main assembly of apparatus, by which said developer supply container receives a downward force when said developer supply container is mounted to the main assembly of the apparatus.

3. A container according to Claim 1 or 2, further comprising a second container positioning portion at a leading end with respect to the mounting direction above said first container positioning portion, said second container positioning portion being contactable to a second main assembly positioning portion provided in the main assembly of the apparatus in a horizontal direction with a gap at the top, so that second container positioning portion is capable of

positioning said developer supply container relative to the main assembly of apparatus in the horizontal direction.

5 4. A container according to any one of Claims 1-
3, wherein said container force receiving portion is
in the form of a recess, and wherein when said
developer supply container is mounted to the main
assembly of the apparatus, said recess is engaged with
10 said cartridge engaging portion, and said container
force receiving portion is pushed, with movement of
said developer supply container in the mounting
direction, to move said closing member to the opening
position.

15

 5. A container according to any one of Claims 1-
4, wherein said developer supply container has a cover
which is movable between a position covering a
developer supply opening provided in a bottom surface
20 of said developer accommodating portion and a
retracted position in which said cover is retracted
from the covering position, and. wherein when said
developer supply container is mounted to the main
assembly of the apparatus, said cover is engaged with
25 a cover engaging portion provided in the main assembly
of the apparatus to move from the closing position to
the retracted position.

6. A container according to any one of Claims 1-6, wherein said developer accommodating portion is divided by a separation member into an upper portion and a lower portion, and said separation member is provided with an opening for letting the developer fall from the upper portion into the lower portion, wherein the upper portion is provided with an upper developer feeding member, said lower portion is provided with a lower developer feeding member, wherein said upper developer feeding member is rotatable to feed the developer to the opening, wherein said lower feeding member is rotatable to feed the developer to said developer supply opening, wherein a leading end, with respect to the mounting direction, of said developer supply container is provided with an upper driving force receiving portion for said upper developer feeding member to receive a rotational driving force from a driving force transmission member provided in the main assembly of the apparatus and a lower driving force receiving portion for said lower developer feeding member to receive a rotational driving force from a driving force transmission member provided in the main assembly of the apparatus, and wherein said container second positioning portion, said upper driving force receiving portion, said container positioning portion and said lower driving force receiving portion are

disposed in this order in a downward direction, when said process cartridge is mounted to the main assembly of the apparatus.

5 7. A container according to any one of Claims 1-6, wherein said cartridge guide is extended along the longitudinal direction substantially over a full length thereof.

10 8. A container according to any one of Claims 1-7, further comprising a grip at an upper and upstream position with respect to the mounting direction to facilitate demounting of said developer supply container from the main assembly of the apparatus.

15 9. A container according to any one of Claims 1-8, wherein when said process cartridge is mounted to the main assembly of the apparatus with said developer supply container already set in the main assembly of
20 the apparatus, said container force receiving portion is pushed to move said closing member from the closing position to the opening position with movement of said process cartridge in the mounting direction.

25 10. A container according to any one of Claims 1-9, wherein said developer supply container is positioned with a first container positioning portion

side being at a higher position than a trailing side with respect to the mounting direction, when said container positioning portion is positioning relative to the main assembly positioning portion, and trailing
5 sides of said first container guide and said second container guide are positioned relative to the main assembly of the apparatus by being supported by the main assembly guide.

10 11. A container according to any one of Claims 1-10, further comprising, at a trailing end of said developer supply container, a portion to be urged for being urged by an elastic force of a spring provided on a door of the main assembly of the image forming
15 apparatus when said container positioning portion is positioned relative to the main assembly positioning portion, and trailing sides of said first container guide and said second container guide are positioned relative to the main assembly of the apparatus by
20 being supported by the main assembly guide.

12. An electrophotographic image forming apparatus for forming an image on a recording material, said apparatus comprising:

25 (i) a cartridge mounting portion for detachably mounting a process cartridge having an electrophotographic photosensitive drum and a charging

member for charging said photosensitive drum,

(ii) a main assembly guide;

(iii) a container mounting portion for mounting a developer container, said developer

5 container including,

a developer accommodating portion for accommodating a developer;

a developer supply opening for supplying the developer accommodated in the developer accommodating
10 portion to said process cartridge;

a container closing member movable between a closing position in which it closes said developer supply opening and an open position in which it is retracted from the closing position to open said
15 developer supply opening;

a first container guide provided at one end with respect to a longitudinal direction of said along the longitudinal direction of said developer supply container, said first container guide being capable of being guided by a main assembly guide provided in the
20 main assembly of the apparatus when said developer supply container is mounted to the main assembly of the apparatus;

a second container guide provided at the
25 other end with respect to a direction crossing with the longitudinal direction along the longitudinal direction of said developer supply container, second

container guide being capable of being guided by a main assembly guide provided in the main assembly of the apparatus when said developer supply container is mounted to the main assembly of the apparatus;

5 container force receiving portion for receiving, when said developer supply container is mounted to the main assembly of the apparatus, a force for opening said supply opening by movement of said closing member from the closing position to the opening position by engagement with a cartridge
10 engaging portion provided in said process cartridge mounted to the main assembly of the apparatus; and

 a first container positioning portion, provided at a leading end, when said developer supply
15 container is mounted to the main assembly of the apparatus, said first container positioning portion being engageable with a main assembly positioning portion provided in the main assembly of the apparatus,

20 wherein said developer supply container, when it is mounted to the main assembly of apparatus, said first container positioning portion is positioned by the first main assembly positioning portion, and said developer supply container is positioned relative to
25 the main assembly of the apparatus by said first container guide and said second container guide being supported by the main assembly guide at a trailing

edge side with respect to the mounting direction; and

(iv) a feeding member for feeding the
recording material.

5

10

15

20

25